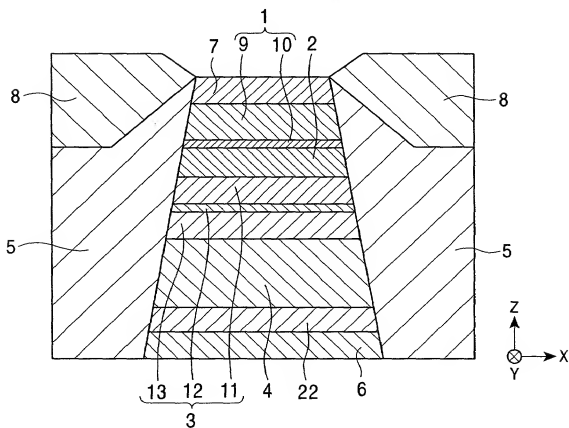


1 / 20

FIG. 1



09900992-070901

2 / 20

FIG. 2

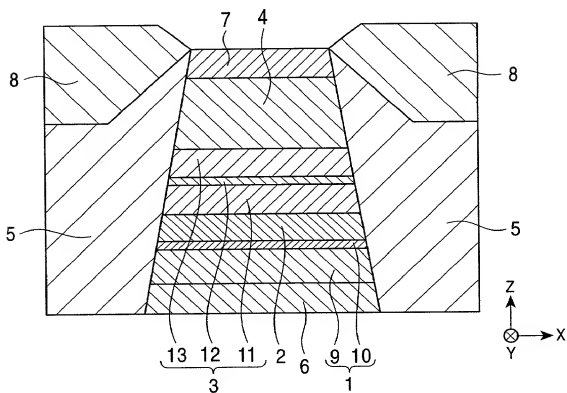
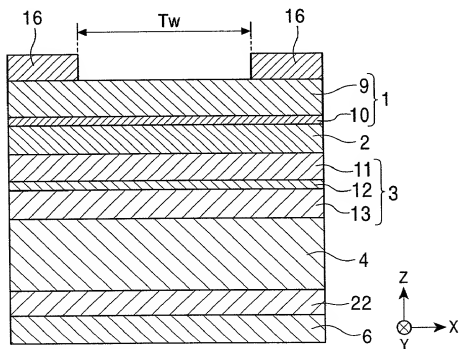
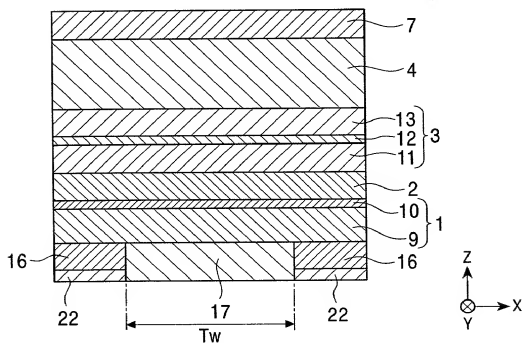


FIG. 3



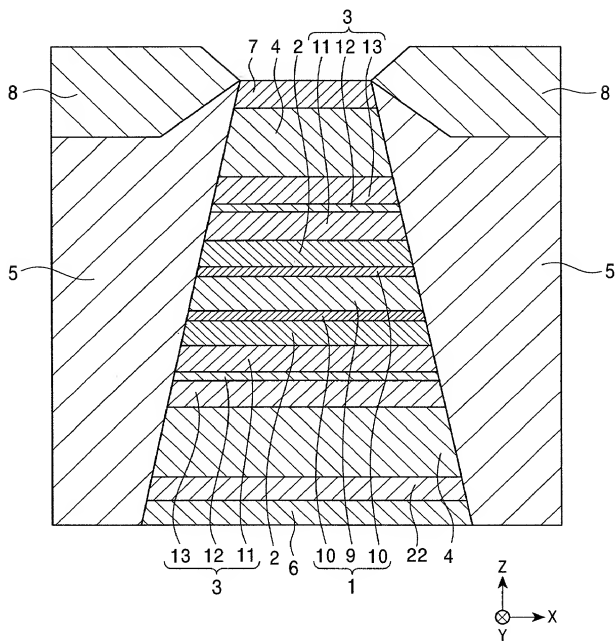
3 / 20

FIG. 4



4 / 20

FIG. 5



0900992-070001

5 / 20

FIG. 6

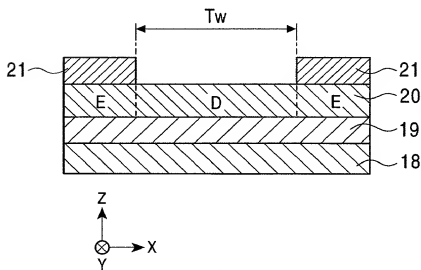
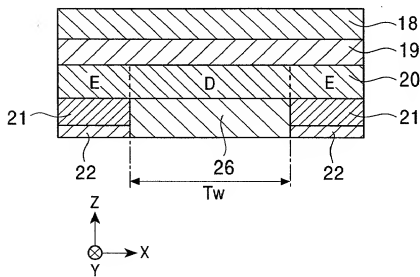


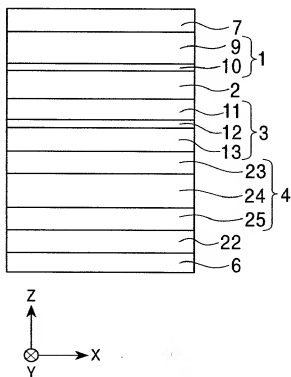
FIG. 7



03600692.070901

6 / 20

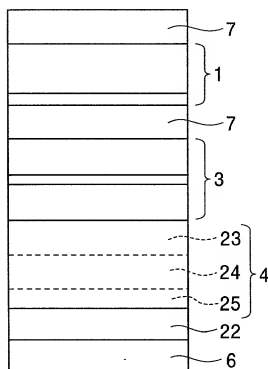
FIG. 8



03900592.070901

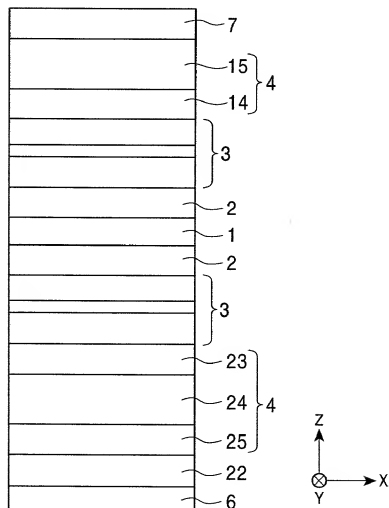
7 / 20

FIG. 9



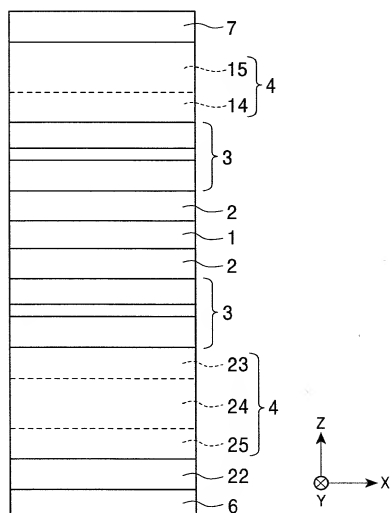
03900932-070001

FIG. 10



09900992-070901

FIG. 11



10 / 20

FIG. 12

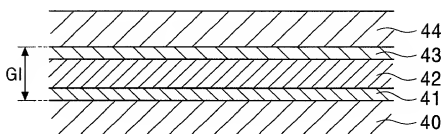
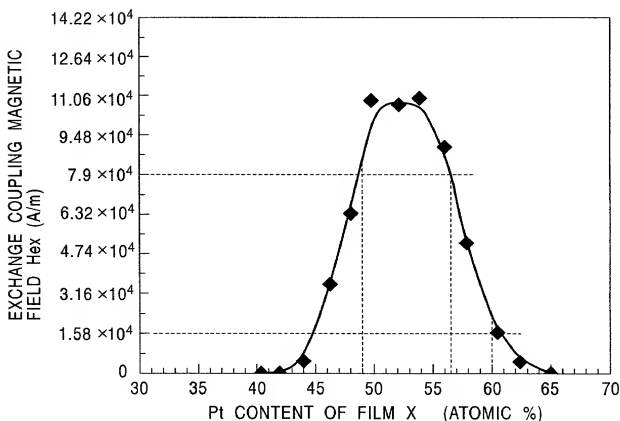


FIG. 13



FILM STRUCTURE: Si SUBSTRATE/ALUMINA/Ta(3nm)/NiFe
(3nm)/PtMn(15nm)/Co
(1.5nm)/Ru(0.8nm)/Co
(2.5nm)/Cu(2.3nm)/Co
(1nm)/NiFe(3nm)/Cu(1.5nm)/Ta(3nm)

106020-26000660

11 / 20

FIG. 14

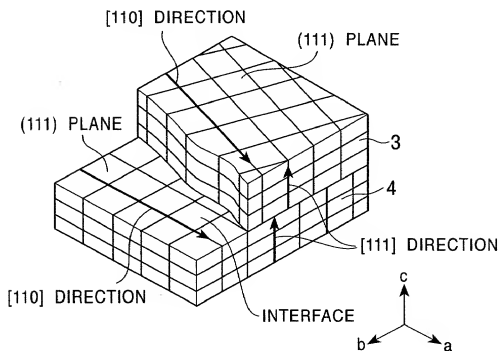
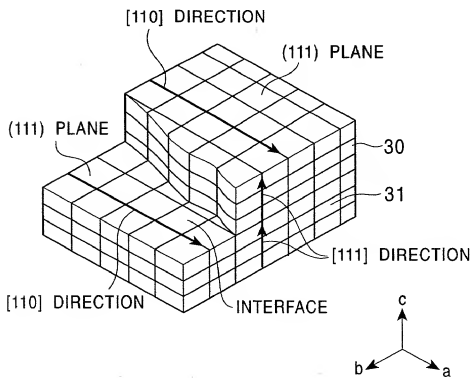


FIG. 15



0000092.070001

12 / 20

FIG. 16

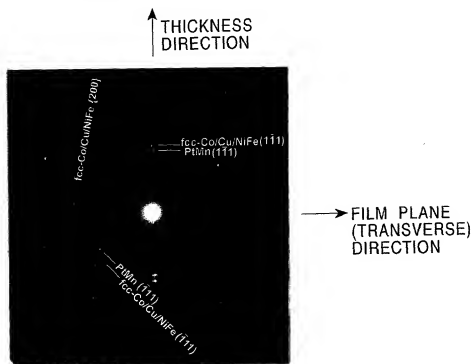
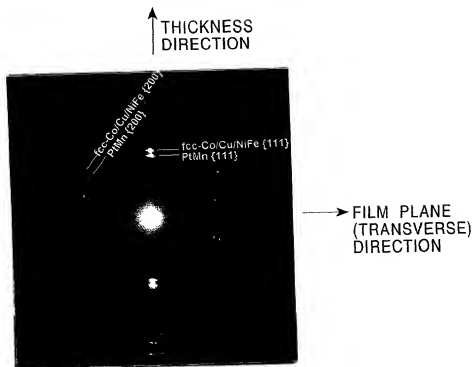
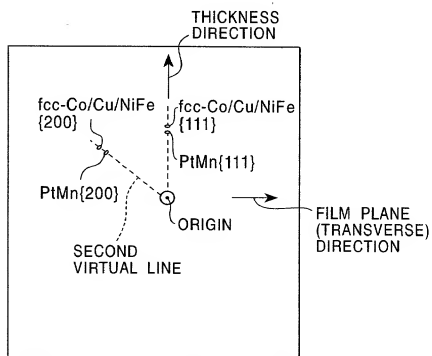
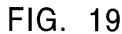


FIG. 17





14 / 20

FIG. 20

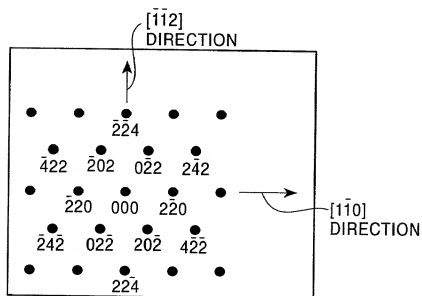
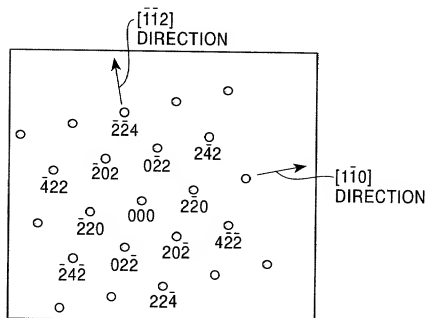


FIG. 21



15 / 20

FIG. 22

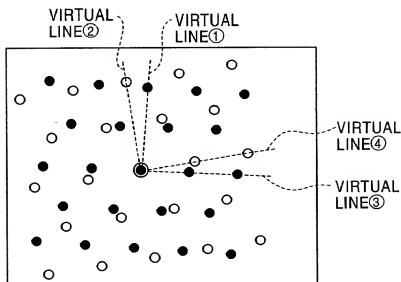
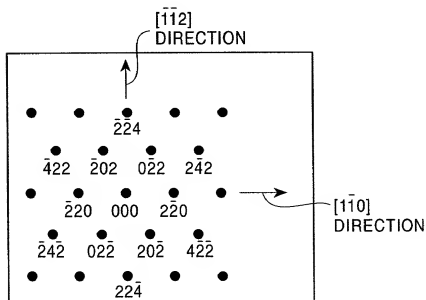


FIG. 23



09900992-070901

16 / 20

FIG. 24

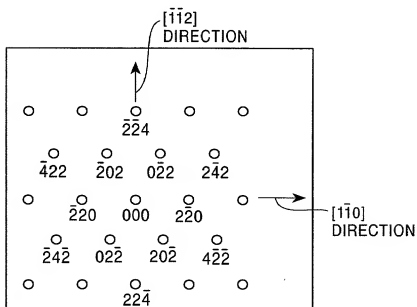
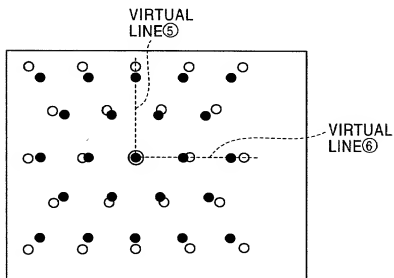


FIG. 25



17 / 20

FIG. 26

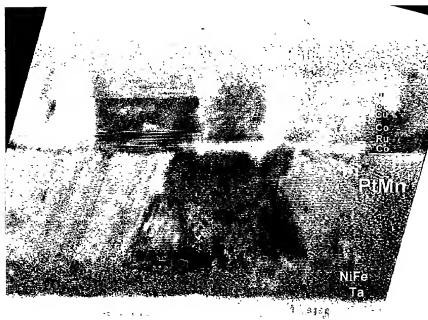


FIG. 27



18 / 20

FIG. 28

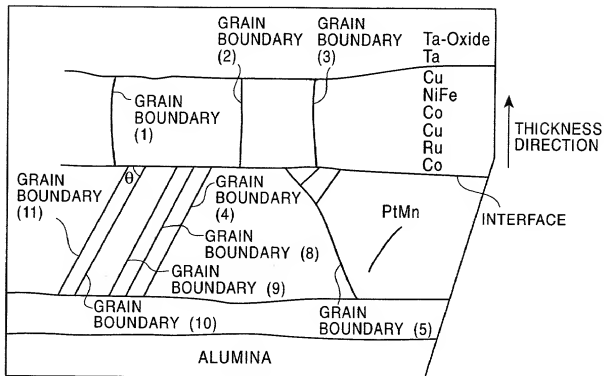
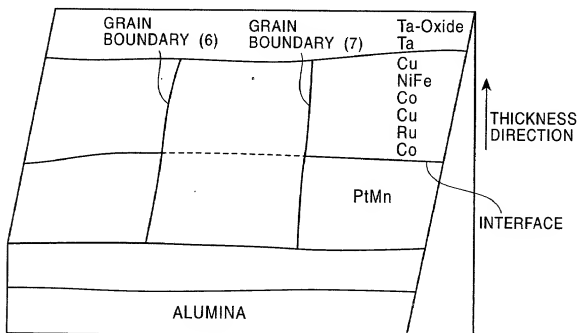


FIG. 29



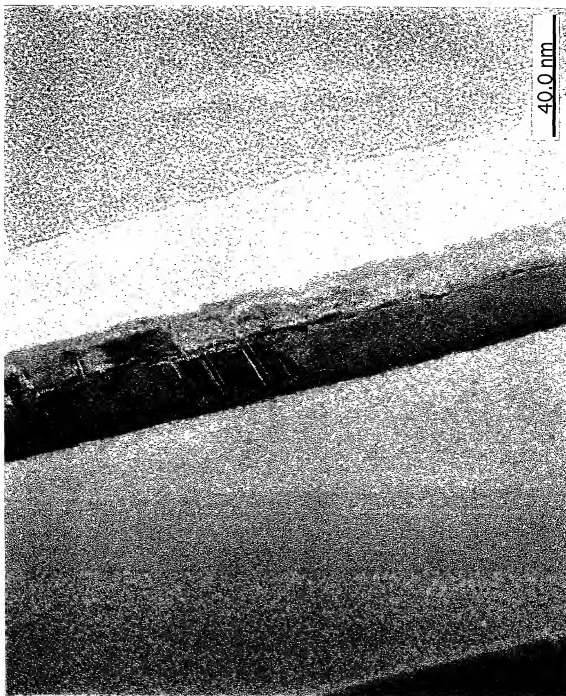


FIG. 30

106020*26600660

20 / 20

FIG. 31

